

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 100077)**

In re Application of:)	
)	
Heinz Busta)	
)	Art Unit: TBD
Serial No.: TBD)	
)	Examiner: TBD
Filed: October 20, 2003)	
)	
For: MEM Switching Device and Method for)	
Making Same)	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the non-patent references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within

the meaning of 35 U.S.C. sections 102 or 103, nor is this submission to be construed as a representation that a search has been made.

CITED REFERENCES

U.S. Patents

	<u>Document Number</u>	<u>Date</u>	<u>Name</u>
1.	5,602,671	2/11/97	Hornbeck
2.	5,694,740	12/9/97	Martin et al.
3.	6,004,830	12/21/99	Potter
4.	6,025,767	2/15/00	Kellam et al.
5.	6,100,477	8/8/00	Randall et al.
6.	6,109,105	8/29/00	Kubena et al.
7.	6,198,438	3/6/01	Herd et al.

Other Documents

1. de Boer, M.P. et al., "Tribology of MEMS," MRS Bulletin 26, April 2001, pp. 302-304.
2. Maboudian, R., "Surface processes in MEMS technology," Surface Science Reports 30, (1998), pp. 207-269.
3. Zhu, X-Y et al., "Molecular Assemblies on Silicon Surfaces via Si-O Linkages," Langmuir 16, (No. 17 2000), pp. 6766-6772.
4. Major, R.C. et al., "Two-Step Approach to the Formation of Organic Monolayers on the Silicon Oxide Surface," Langmuir 17, (No. 18 2001), pp.5576-5580.
5. Bozler, C. et al., "MEMs Microswitch Arrays for Reconfigurable Microwave Components," IEEE Antennas and Propagation Society International Symposium. Transmitting Waves of Progress to the Next Millennium, Vol. 2, 2000, pp. 587-591.
6. Schaffner, J.H. et al., "Reconfigurable Aperture Antennas Using RF MEMS Switches for Multi-Octave Tunability and Beam Steering," IEEE Antennas and Propagation Society International Symposium. Transmitting Waves of Progress to the Next Millennium, Vol. 1, 2000, pp. 321-324.
7. Chiao et al., "MEMS Millimeterwave Components," IEEE MTT-S International Microwave Symposium Digest, Vol. 2, 1999, pp. 463-466.
8. Brown, E.R., "RF-MEMS Switches for Reconfigurable Integrated Circuits," IEEE

Transactions on Microwave Theory and Techniques, Vol. 46, No. 11, Nov. 1998, pp. 1868-1880.

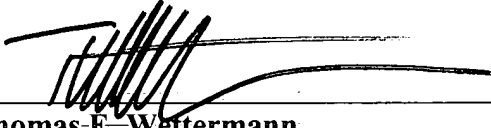
9. Lin et al., "Rib-reinforced micromachined beam and its applications," J. Micromech. Microeng. 10, (2000), pp. 93-99.
10. Wilkerson et al., "Flip-Chip Hermetic Packaging of RF MEMS," MEMS Conference, 2001.

Respectfully submitted,

McDonnell, Boehnen, Hulbert & Berghoff

Date: **October 20, 2003**

By: _____


Thomas E. Wettermann
Registration No. 41,523

FORM PTO-1449 (Rev. 2-32)	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 100077	Serial No. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant: Heinz Busta	
		Filing Date: October 20, 2003	Group: TBD

U. S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	5,602,671	2/11/97	Hornbeck			
	5,694,740	12/9/97	Martin et al.			
	6,004,830	12/21/99	Potter			
	6,025,767	2/15/00	Kellam et al.			
	6,100,477	8/8/00	Randall et al.			
	6,109,105	8/29/00	Kubena et al.			
	6,198,438	3/6/01	Herd et al.			

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number								Date	Country	Class	Sub classes	Translation	
													Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

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		Lin et al., "Rib-reinforced micromachined beam and its applications," J. Micromech. Microeng. 10, (2000), pp. 93-99.
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